

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

April

2010

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

May 18, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

A widespread rain event occurred during the middle of the month of May and produced beneficial runoff to much of the hydrologic service area (HSA). Starting around the 14th, several weak upper level disturbances entered the region from northern Mexico and the southwestern states. These disturbances met with abundant moisture over the area and rain showers began across western portions of the HSA. By the 15th, rain showers covered most of the region with the heaviest occurring in parts of the Concho Valley, Heartland and Hill Country. In the Llano Basin, total rainfall amounts from four to six inches were observed in Mason and Menard Counties. This caused portions of the Llano River near Mason to rise above bankfull several times as runoff drained down the tributaries to the main stem river. Late on the 15th into the early morning of the 16th, another round of very heavy rain fell across the northern Big Country. In Haskell and Jones Counties, widespread areas of over three inches of rain fell. The runoff into the Clear Fork Brazos River and its tributaries like Paint Creek and California Creek caused notable rises. Flood flows in Paint Creek caused Lake Stamford to climb over three feet and spill through the principal spillway. Water inundated the park area around Lake Stamford as well as some property. Water was near a couple of homes in the Greens Camp area. The lake crested at 1418.73 feet on the 21st. On the Clear Fork of the Brazos River at Fort Griffin, the river level rose several times. The highest rise was on the 17th as the river crested just above flood stage (25 ft) at 25.46 feet.

The average precipitation reported from coop observers in April was 3.09 inches. The highest monthly precipitation total of 6.38 inches was reported in Jones County. Coop observers in Coke, Crockett, Fisher, Haskell, Jones, Mason, Shackelford and Throckmorton Counties received over 4.00 inches of rainfall in April.

The San Angelo Regional Airport received 2.65 inches of precipitation during April, which was 1.05 inches above normal for the month. The monthly normal rainfall for San Angelo in April is 1.60 inches.

The Abilene Regional Airport received 1.87 inches of precipitation during April, which was 0.20 of an inch above normal for the month. The monthly normal rainfall for Abilene in April is 1.67 inches.

Junction received 3.51 inches of rain during April. The estimated average monthly rainfall in April is about 1.75 to 2 inches.

Coop Observer Rainfall Totals for April, 2010:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	1.73		Merkel 12SW	2.60
Acton Ranch	4.75		Mertzon 12WNW	2.70
Albany	2.30		Ozona 2	3.00
Anson	4.15		Ozona 22SE	3.96
Ballinger 2NW	2.12		Paint Rock	1.71
Brady	2.48		Putnam	1.84
Brownwood	2.80		Red Bluff Crossing	2.56
Burkett	3.25		Roscoe	3.66
Coleman	2.45		Rotan	4.77
Concho Park	1.24		San Angelo WFO	2.84
Eden	1.67		San Saba 7NW	2.15
Eldorado	2.08		Santa Anna 12SSE	2.46
Eldorado 10W	2.78		Silver Valley	1.97
Fort Griffin	4.87		Sonora	2.91
Fort McKavett	2.82		Stamford	6.38
Glen Cove 2NE	1.48		Sterling City	2.01
Hamlin	4.27		Taylor Ranch	3.74
Haskell	4.97		Throckmorton 7NE	5.08
Hords Creek	2.21		Water Valley	3.41
Humble Pump	2.83		Water Valley 11NE	4.21
Junction 4SSW	3.04		Winters	2.78
Lawn	1.66		Woodson	5.71
Mason	6.19		(M) <i>Missing data</i>	
Menard	1.83		(T) <i>Trace</i>	

Reservoir Conditions (end of April, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	52,690	75
Lake Stamford	51,570	51,570	100
Hubbard Creek Lake	317,800	222,840	70
Hords Creek Lake	8,800	3,720	46
Lake Brownwood	131,428	104,830	80
E.V. Spence	488,760	24,630	5
O.C. Fisher	119,200	3,770	3
O.H. Ivie	554,340	236,800	43
Twin Buttes	177,800	50,390	28

Hydro Products Issued

FFW = 3

FFS = 2

FLS = 24 (Urban/Small Stream Advisory)

FLW = 1 (Aerial Flood Warning)

FLS = 3 (Aerial Flood Statement)

RVS = 2

ESF = 2 (Probabilistic Fcst)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for April across the San Angelo HSA is depicted below.

